

***NORTHROP GRUMMAN***

*Ship Systems*

# **SOFTWARE CONFIGURATION MANAGEMENT**

- **By direction of COMNAVSEASYSYSCOM  
Message  
150405Z JUN 01, NAVSEA is preparing to  
include  
software configuration data in a single  
shared data  
environment in CDMD-OA.**
- **In response to COMNAVSEASYSYSCOM  
Message 150405Z JUN01, NAVSEA issued  
letter 4130 Ser 04L/538 23 JUL 2001  
describing the plan for a prototype effort.  
Enclosure (1) of that letter provides the  
initial guidance for reporting and tracking  
software and assigns responsibilities to the  
CDMs, ISEAs and SSAs .**

▪ **Enclosure (1), Section 2, Paragraph 2.1, Sub-Paragraph a,** assigns responsibility to the CDM as follows:

**1. Review all information received to ensure it is correct  
and matches other available  
information.**

**2. Ensure each software Record Type2 (RT2) Equipment Discipline Code has a “V” entry assigned to ensure all software records are included or exempted from  
SCLISIS validations as appropriate.**

- 4. Advise NAVSEA 04L of critical or recurring problems with regard to software CSA procedures or interfaces.**
- 5. Use the assigned X-Repairable Identification Code (XRIC) for software during this prototype.**
- 6. Assign Generic XRICS if software is found resident on the ship and was not previously loaded into CDMD-OA.**

▪ **Enclosure (1), Section 2, Paragraph 2.1, Sub-Paragraph b, assigns responsibility to Software Configuration Managers (SCM) (e.g. ISEAs, TSAs, SSAs, etc.) as follows:**

**1. Accept responsibility for the accuracy of the software data and transmission of data to the CDM. Ensure it reflects the current baseline as well as modifications to that baseline.**

**2. Identify inaccurate or incomplete software data in CDMD-OA and provide corrective**

- 3. Resolve data discrepancies as requested by the CDM.**
- 4. Until the XRIC Module is modified, e-mail John Curry at [john.curry@isa.com](mailto:john.curry@isa.com) for assignment of specific XRICS.**
- 5. Interface with the hardware ISEA to determine if any hardware/software discrepancies are identified and make corrections as necessary.**
- 6. Create CDMD-OA workfiles as is normal**

**7. Perform research of XRICS to ensure one does not already exist before requesting creation of another.**

**8. Inform the CDM if there is a change to an XRIC previously transmitted.**

# CDM ADD PROCESS

- **The CDM receives a workfile from the appropriate Software Configuration Manager (i.e. ISEA, TSA, SSA).  
The workfile is dispatched to the proper CDM Analyst who processes the workfile records as follows:**
  - **If Action Code is “A”, check Class Functional File to ensure a correct HSC has been assigned. If none is assigned then one must be created.**
  - **Ensure that Equipment Discipline Code is “X”**



## **CDM ADD PROCESS**

- **Check EIN Field to ensure that correct Software version is entered.**
- **Ensure that SN is populated with Software Serial Number.**
- **Parent RIC Field must be populated with the Hardware RIC that requires the Software.**
- **The PRID Field will be utilized to record the media (disk, tape, etc.) on which the Software resides.**

# CDM ADD PROCESS

- **Assign SAC Code of SFTWR.**

# **CDM CHANGE AND DELETE PROCESS**

- **If Action Code is “C”, check for Mandatory Edits and make proper corrections to the records using same edit parameters 1-7 mentioned for add.**
- **If Action Code is “D”, ensure that it is a proper Delete. Delete Record Type 2s and 3s as required.**